PASSAIC RIVER RI/FS
PROGRESS REPORT #37
REPORTING PERIOD: December 17, 2005 through January 13, 2006
DATE: January 27, 2006

Contract Number:	DACW41-02-D-0003	
EPA IAG Numbers:	DW96941915 and DW96941975	
Task Orders:	0008/0011	
Malcolm Pirnie Project Numbers:	0285-924/4553-001, -025, and -027	
USEPA Remedial Project Manager:	Alice Yeh	212-637-4427
Malcolm Pirnie Project Manager:	Len Warner	914-641-2972
Malcolm Pirnie Deputy Project Manager:	Scott Thompson	914-641-2628
USACE Contact:	Beth Buckrucker	816-983-3581

Summary of Contract Actions					
Task Order	Contract Action	Date Signed	Cost	Fee	Total Cost
0008	ATP 1	10/15/02	$791,654	$60,956	$852,610
0008	ATP 2/WVN1	2/4/03	$0	$0	$0
0008	ATP 3/WVN2	9/22/03	$0	$0	$0
0008	ATP 4/WVN3	7/28/04	$9,771	$526	$10,297
0008		Subtotal➔	$801,425	$61,482	$862,907
0011	ATP 1	3/11/03	$306,945	$18,317	$325,262
0011	ATP 2/WVN 1	9/10/03	$-695	$695	$0
0011	ATP 3/WVN 2	11/6/03	$0	$0	$0
0011	ATP 4/WVN 3	12/1/03	$475,486	$8,341	$483,827
0011	ATP 5/WVN 4	2/4/04	$88,305	$24,943	$113,248
0011	ATP 6/WVN 5	4/29/04	$146,361	$8,842	$155,203
0011	ATP 7/WVN 6	5/17/04	-	-	-
0011	ATP 8/WVN 7	8/27/04 – verbal authorization	$1,235,822	$77,345	$1,313,167
0011	Interim WVN	2/23/05 via e-mail	$0	$0	$0
0011	ATP 9/WVN 8	3/31/05	$880,962	$45,319	$926,281
0011	ATP 10/WVN 9	9/6/05	$3,605,524	$194,624	$3,800,148
0011	ATP 11/WVN 10	12/15/2005	$893,856	$56,126	$949,982
0011		Subtotal➔	$7,632,566	$434,552	$8,067,118
			Grand Total Authorized Amount; TO 0008/0011		$8,930,025

1. Progress Made This Reporting Period.

WAD 01

This WAD has been closed.

WAD 02

This WAD has been closed.

WAD 03

This WAD has been closed.

WAD 04

Malcolm Pirnie (Pirnie), Battelle, and HydroQual (HQI) participated in bi-weekly conference calls on December 19, 2005 and January 3, 2006 with project team members from USEPA Region 2 and USACE – KC District. The bi-weekly conference calls are generally scheduled for every other Tuesday at 9:30 AM ET.

Topics discussed during the December 19th call included:

- A brief summary of the Dec 19th am meeting between HydroQual and USEPA.
- Re-organization, final revisions, and posting of FSP Volume 1 to *ourPassaic.org.*
- Battelle's schedule for finalizing/submitting the BERA Workshop notes to USEPA.
- Battelle's progress for completion of Conceptual Site Model (CSM) tasks.
- Battelle to compile a list of articles referenced during BERA Workshop.
- USEPA approved a request to submit CLP inorganics samples from high resolution cores without compositing segments (results in additional samples for CLP).
- MPI advised USEPA that they plan to submit PAH analyses for a 6th high resolution core although only 5 high resolution cores will be submitted for dioxins and PCBs.
- MPI stated that the analytical program for the low resolution cores will be reduced to eliminate parameters such as AVS-SEM, arsenic speciation, that were targeted for a reduced frequency, due to the overall small dataset (10 cores total).
- Plans for a Remedial Options Workgroup meeting in early 2006.

Topics discussed during the January 3rd call included:

- HQI's development of the hydrodynamic modeling report and changes to the modeling code to remedy the potential need for lengthy modeling run times.
- HQI's review of the Modeling Plan comments and the potential need for additional changes to discuss SEDZLJ and the anticipated role for Craig Jones.
- HQI's preparation of a grid for the IRM flood modeling.
- Battelle plans to submit the CSM deliverable to USACE and USEPA on February 24th; will include revised COPC/COPEC lists and CSM, EPCs, exposure assumption

revisions for PAR, ecological TRVs, fish tissue, critical body residues, and toxicity values. The NJDEP fish consumption dataset may not be included – coordination with NJDEP is ongoing.

- Geochemical evaluation is to be discussed at an upcoming PM meeting; task is on schedule for late January/early February delivery and is on budget.
- Low resolution coring will begin on or about January 9th.
- Management website reports will be discussed in a teleconference on January 13th.
- Need to assess whether Sedflume and Gust microcosm reports can be released to PRPs and the public.
- Dundee Dam monitoring call on January 6th is to discuss data needs and schedule for sediment transport modeling and options for implementing a monitoring program.
- Potential option to proceed with CERCLA efforts for Draft FSP Volume 2 while awaiting WRDA funding.
- MPI preparing technology screening and preliminary costs for IRM evaluation. Option to conduct a Remedial Options Workgroup meeting the morning of the PDT meeting on February 1st – objective is to gain workgroup input on the "short list" of alternatives and present data considered and methods for delineation.
- Plans to schedule a teleconference to discuss modeling plan comments.
- Final revisions to FSP Volume 1 in preparation for posting to *ourPassaic.org*.

Pirnie, Battelle, and HQI participated in a monthly internal briefing call with Pirnie task leaders and Battelle and HQI project managers on January 3, 2006.

On January 23, 2006 Pirnie posted a Progress Report and Budget Status and Forecast (BSF) spreadsheet covering the period from November 12 to December 16, 2005 to PREmis. HQI and Battelle submitted progress reports and reports of expenditures to Pirnie in support of this effort.

A Project Management (PM) conference call was held on January 10, 2006. Lisa Baron (NJDOT-OMR), Beth Buckrucker (USACE-KC), Scott Nicholson (USACE-NY), Alice Yeh (USEPA), and Bruce Fidler, Ken Goldstein, Scott Thompson, and Len Warner (MPI) attended the PM teleconference. Topics discussed included:

- Funding update. USACE-NY has $569K in funding that is to be awarded in March 2006 – funding priorities need to be finalized. USEPA has $2M in funding to transfer to USACE-KC.
- NJDOT-OMR may have access to DOT funding for Dundee Dam data collection (about $100K). NJDOT-OMR will discuss scope with USGS.
- Discussed need to complete FSP Volume 2 and transmit to PRPs. Options for organizing CERCLA and WRDA components of the investigations according to differing project areas/FSP documents were discussed in regard to expediting schedule for field work.
- PDT Meeting Presentation for February 1st will focus on dredging pilot. Remedial Options Workgroup to be held morning of PDT meeting with a dry run for MPI presentation on January 25th.

- Format (status of validation, dataset grouping, etc.) and schedule for sharing dredging pilot data with PRPs.
- Next PM Meeting to be held at MPI Fairlawn, NJ office on January 31st.
- A follow-up memo was provided to USACE by MPI on January 19th.

Final CIP support activities are on hold pending further direction from USEPA/USACE.

WAD 05

Work efforts in this WAD were focused on the following project elements: Field Activities; Laboratory Issues/Subcontracts; Planning Documents; and Risk Assessment. These topics are discussed below.

FIELD ACTIVITIES

Field Documentation

The technical systems audits prepared for the high resolution coring, high volume water column sampling, small volume water column grab sampling, and semipermeable membrane device (SPMD) deployment and retrieval were reviewed internally in preparation for submittal to USACE and USEPA. It is expected that the audit reports will be submitted on February 10th.

Low Resolution Coring

Beginning in mid-December, internal planning was conducted to finalize the target analytical suite and sampling frequency for the low resolution cores. Mr. Robert Law of demaximis, inc. was notified via e-mail on December 30th to discuss coordination for oversight of the January 2006 low resolution coring field work.

The low resolution cores were collected between January 11-13, 2006 from the target locations presented to USEPA, USACE, and the Sampling Workgroup. Twelve cores were collected from 10 locations (2 locations were re-collected with a heavier Rossfelder P-6 vibracoring device to retrieve sediment from deeper strata). Core processing and sample shipment will extend into the next reporting period.

High Resolution Coring

An internal meeting was held on January 3, 2006 to discuss the shipment of sediment samples from a sixth high resolution core for PAH analyses. Although the cores selected for further analysis have the best Cs-137 profiles available, there still remains the possibility that one core or so may not yield interpretable chemical profiles. This may be due to recent or very old breaks in deposition that are not evident in the Cs-137 profile, a profile which is most sensitive to events in the 1955 to 1975 time frame.

Such an occurrence was observed in the TSI cores analyzed for the geochemical evaluation. Two of the 14 historic TSI cores with apparently “good” Cs-137 profiles were

impacted by events that did not affect the Cs-137 but clearly impacted the chemical histories. These cores were basically rejected from the analysis. The overall interpretation of the high resolution cores will involve the linking of multiple core trends wherein upstream depositional histories are repeated in downstream cores but downstream sources are observed only in downstream cores. Thus every core included in our analysis strengthens the overall conclusions, and does not just add additional detail.

The PAH samples from the sixth high resolution core were shipped to Axys Analytical on January 4th. By including the sixth core, our span of data will include: RM 1.4, 2.2, 3.5, 7.8, 11, and 12.6. Dioxin and PCB congener analyses will be limited to 5 high resolution cores, as discussed with USEPA and USACE.

DATA VALIDATION

Data validation efforts are ongoing. The authorized budget for data validation will be prioritized to address sample datasets most crucial to recommendations for future field sampling efforts. MPI will schedule a discussion between the team responsible for data evaluation and Round 1 Report preparation, USEPA, and USACE to discuss data validation funding.

PLANNING DOCUMENTS

Revised Field Sampling Plan (FSP) Volume 1 documents were posted to PREmis for USACE and USEPA review on December 23, 2005. USEPA and USACE comments on the pre-final review copy were implemented and FSP Volume 1 was subsequently posted to ourPassaic.org, as directed by USEPA, on January 11th.

FSP Volume 2 preparation activities are currently on hold.

RISK ASSESSMENT

Work proceeded on WAD 5, WO 2.2b, Conceptual Site Model/Problem Formulation , as described below. The technical memos on the topics referenced below are to be submitted to USEPA and USACE on February 24th.

- Ecorisk activities (N. Richardson, D. Gunster-Battelle) included the following:
    1. Continued progress in refining the Conceptual Site Model based on input received during the BERA workshop and preparing a technical memorandum.
    2. Completed revised list of wildlife receptors and estimated individual home range requirements for defining relevant exposure areas for each.
    3. Completed summarization of Critical Body Residues (CBRs) for identified COPECs.
    4. Completed summarization of biotransfer factors for selected COPECs to be used in estimating wildlife tissue (including avian egg) concentrations for comparison to residue based thresholds.

5. Completed summarization of available ecotoxicological data for COPECs.
6. Continued progress on toxicity reference value (TRV) development for 5 selected COPECs (including 2,3,7,8-TCDD, PCBs, dieldrin, lead, and mercury [including methylmercury]) and preparation of a technical memorandum.
7. Continued progress on preparing a technical memorandum discussing an approach to develop Exposure Point Concentrations (EPCs), including interface considerations with the contaminant transport model output.

- Human health risk activities (P. Rodgers) included the following:
    1. A Technical Memorandum was developed that summarizes the evaluation/review and recommendations for exposure parameter updates. Included in here is information regarding cooking loss, census data evaluation, fish species identification, and consumption rate development.
    2. As part of the Technical Memorandum for exposure assumptions, a statistical analysis was conducted to derive site-specific Exposure Duration (ED) for anglers using the 2000 Census data.
    3. The Technical Memorandum for exposure point concentration development is in progress.

MODELING

HQI staff prepared a presentation and attended a meeting at USEPA Region 2 HQ on December 19, 2005 to respond to questions about the modeling objectives, model complexity, and projected schedule for the modeling tasks. Shane McDonald of MPI participated by phone. The effort for HQI was addressed via Tech Support funding under PREmis Request 039.

A Technical Advisory Committee (TAC) teleconference was held on December 20th and attended by Elizabeth Butler, Alice Yeh, and Earl Hayter (USEPA); Beth Buckrucker (USACE); Richard Bopp, Bruce Brownawell, Jon Butcher, andly Lick (TAC members); Jim Fitzpatrick and Larry Sanford (HQI), and Bruce Fidler, Shane McDonald, Ed Garvey, and Solomon Tugbawa (MPI). Topics discussed included:

- Confirmation of general acceptance of SEDZLJ for use in ECOM-SED and ST-SWEM, with some consideration of potential need for modifications for consolidation issues.
- Use of SedFlume and Gust Microcosm data – may be possible to constrain Sedflume data with Gust Microcosm findings or use Sedflume data alone for model calibration.
- Modeling Plan needs more detail on flux due to molecular diffusion and/or bioturbation (biogeochemical discussion would be important component of this aspect of model parameterization) and how to handle large flow events.
- Appropriate role of empirical evaluation in model development and calibration, including modeling the impact of the 1983 flood, physical measurements for calibration of sediment transport model (e.g., TSS measurements), and comparison to historical deposition patterns (may be complicated by historic dredging events).

- Action Items, including resolution of the use of Gust microcosm data and planning of a future biogeochemical discussion relative to sediment transport modeling.

On January 4th, USEPA requested that an authorization be provided to Willy Lick to conduct a focused evaluation of the Sedflume data.

For the Hydrodynamic Modeling effort, HQI continued work related to the Model Calibration:

- Processing model results in 1995 and 1996 water years to compare with TSI hydrographic survey data (processed transect ADCP, temperature and salinity data to compare with model results); model-data correlation statistic; harmonic analyses of tidal elevations and currents.
- Processed Rutgers 2000-2003 ADCP sensor data and compared with model results; reviewed the results and continuing data reduction for better comparison.
- Model input for 1995-2004 prepared and model rerun.
- Continued preparation of the hydrodynamic calibration report, including:
    a. Description of model forcing data.
    b. Model-data calibration procedures.
    c. Statistical analyses for model skill assessment for data collected in Passaic River, Newark Bay, and the Kills by TSI and Rutgers.

For the Sediment Transport Modeling effort, HQI conducted the following tasks:

- Continued work on the solids mass balance assessment and calculation of sedimentation rates in the Passaic River. Work includes bathymetric data comparisons and data simulations as a function of depth of particle mixing.
- Arrangement for a conference call or meeting with MPI to present results and compare work will be initiated next week.
- Analysis of grain size data from Sedflume experiments on hold pending discussions with Craig Jones.
- Flocculation protocol work still in progress between Kevin Farley and Bill McAnally.

WAD 06

Work efforts in this WAD were focused on preparation of the following topics: Website/Database and Historical Geochemical Data Evaluation. These topics are discussed below.

WEBSITES/DATABASE

A teleconference to discuss client needs for management website reports was held on January 13th. The teleconference included Alice Yeh (USEPA), Beth Buckrucker (USACE), and Lisa Szegedi-Greco (MPI). USEPA and USACE provided input on management reports and requested that MPI respond with a budget estimate (percentage of task authorized funding) for the reporting options discussed during the call. The requested estimate will be provided the week of January 30th.

Pirnie performed the following work for the field application and PREmis (private) website:

- Security and access issues were examined for the digital library folder structure in PREmis, due to comments raised by USEPA and USACE regarding reviewer access permissions communicated on December 23rd. Changes to access permissions were implemented via user security administration on December 29th. To help maintain desired user access restrictions, the number of administrators able to change access rights for digital library folders was reduced within MPI and a website report was programmed that allows maintenance users to quickly check/confirm access permissions for each digital library folder. Access via the search engine and "What's New" folder was already consistent with user permissions; these items did not require any modification.
- Access to the TAC folder was restricted to a group of named individuals, since the TAC is a subset of the "key reviewer" group so that material could be provided to the TAC and secured from access by other "key reviewers."
- The PREmis digital library search engine was tested internally and found to work adequately provided that the users include "AND" or "OR" operators in their search text. A note to users describing this feature was added on December 23rd.
- Assisted AXYS with first EDD upload only – no problems have been encountered subsequently (Axys was including too many fields and some invalid CAS numbers).
- Modified "and" and "and/or" search function on the PREmis search engine.

Ongoing routine maintenance (*e.g.*, updating PDT meeting announcement for February 1, 2006) occurred on *ourPassaic.org*.

HISTORICAL/GEOCHEMICAL DATA EVALUATION

Hydroqual's historic water column data plots were posted to PREmis with a QC Checklist on December 16, 2005, along with Battelle's historic biota data memorandum and associated plots. The Summary of Interim Studies memo was posted to PREmis on December 23rd.

During the reporting period the geochemical analyses continued within the planned schedule and budget. Principal work that was accomplished included:

- Completion of deposition rate analyses/sediment mass balance calculations.
- Determination of benchmark chemicals for further analyses.
- Continuation of mass per unit area analyses.
- Evaluation of chemical occurrences in 14 datable cores and in surface samples.

WAD 07

INTERIM REMEDIAL MEASURES (IRM) EVALUATION

Preliminary IRM alternatives and cost estimates developed by MPI during the last reporting period were refined using input from remedial construction contractors in preparation for the Remedial Options Workgroup meeting tentatively planned for February 1, 2006. A presentation was developed for review by USACE and USEPA prior to the workgroup meeting.

HQI conducted the following activities in support of the IRM evaluation:

- Prepared the FEMA flood plain maps on the existing coastline file.
- Started the design of the computational grid.

2. Issues and Recommended Solutions (or Outstanding Issues).

- Technical

  A teleconference regarding the need for data collection at Dundee Dam was held on January 6th. Carl Albro (Battelle), Beth Buckrucker (USACE-KC), Tom Gallagher and Ed Garland (HQI), Solomon Gbondo-Tugbawa (MPI), Earl Hayter (USEPA), and Shane McDonald and Len Warner (MPI) attended. A detailed "back-brief" was submitted to USEPA via e-mail on January 6th. A brief summary of the call is as follows:

  - Focus of the call was on objectives, schedule, and scope for a likely PRP-implemented Dundee Dam monitoring program. The team recommended that it is more schedule-efficient to prepare and transmit to the PRPs a Work Plan for this monitoring program, rather than to try to communicate data needs and give the Work Plan prep responsibility to the PRPs. Costs for preparation of this WP are already in the estimate previously prepared; however, funding options require discussion.
  - The multi-phase work plan should include an initial solids monitoring phase that consists of a center-channel, single depth turbidity (OBS) monitor with regular co-located TSS grab collection at the Ackerman Bridge. This phase is to be expedited to support Sediment Transport Model development and should be implemented prior to spring 2006 high flows.
  - Subsequent phases should include additional monitoring locations, chemical analyses (geochemical data needs), and possibly ship surveys during storm/high flow events.

  HQI and MPI have identified a need for a 2-day meeting between Craig Jones of Sea Engineering, Jim Fitzpatrick and 1-2 other HydroQual staff, as well as Shane McDonald of MPI, to discuss the logistics of Sea Engineering's assistance to the sediment transport modeling effort [incorporation of SEDZLJ in the ECOM and ST-

SWEM (carbon) models]. It is intended that the deliverable from the meeting would be a technically explicit SOW that would permit HQI to subsequently execute a fixed price subcontract with Sea Engineering for the work. Earl Hayter would also be invited to attend the meeting and contribute to development of the SOW. It is likely that funding constraints will have an impact on our ability to conduct this meeting prior to receiving authorizations under the new USACE contract (discussed below).

- Schedule

  A revised schedule was e-mailed to USACE on December 16th and was subsequently finalized and posted to PREmis on December 23, 2005.

- Funding

  Due to questions and comments regarding inconsistencies between the BSF and MPI's project invoices raised by USACE, Ken Goldstein and Len Warner of MPI traveled to USACE-KC for a meeting on December 21, 2005. Prior to the meeting, MPI conducted an effort to reconcile the BSF with the historic invoices, including subcontractor invoices and progress reporting (this effort was not billed to the project). During the meeting with Beth Buckrucker of USACE, sources of available funding were identified using a revised BSF spreadsheet dated December 20, 2005 (for the period ending November 11, 2005) to evaluate how project administration efforts could be extended through March 31, 2005 without obligation of additional funding to the current USACE contract. Following the meeting, USACE-KC prepared a draft WVN 11 to begin formalizing movement of available funds to project administration. MPI committed to limiting project administration expenditures to the draft WVN 11 authorizations and implemented measures to reduce spending, including reducing the frequency of internal team coordination calls from weekly to monthly. WVN 11 will also include the reallocation of funds within WAD 6 WOs 2-6 discussed in prior progress reports, to address the expenditures on WAD 06 WE 3.4.

  As of the current period, HQI has expended their funding for sediment transport modeling. It may be possible to arrange the requested meeting with Craig Jones regarding SEDZLJ incorporation (contingent on Craig Jones' availability) by conducting a cost sharing for the meeting with the Newark Bay RI/FS project. HQI is expected to fully expend their authorized budget for hydrodynamic modeling following submittal of the hydrodynamic model calibration report expected at the end of January 2006. Available funding will allow HQI's work in support of the IRM evaluation (flood modeling) and Final Modeling Plan development to continue; the other modeling tasks will halt pending award of additional funding (expected at the end of March 2006 under the new USACE contract).

3. Anticipated/Planned Activities in Next 30 Days

Anticipated meetings, conference calls, and activities are organized by topic and presented below.

General/Project Management

Community Involvement

As directed, Pirnie has suspended work on the CIP support activities. Work is expected to commence in late January 2006 to prepare the Final CIP.

Laboratory Issues

Further decision making will be conducted to resolve Axys Analytical's expectation that significant interferences will be encountered during sediment sample pesticide analyses (based on experience with Newark Bay RI/FS sediment split samples) regarding sample cleanup procedures and potential modifications to analytical methodology/acceptance of higher quantitation limits in the resultant data. USEPA and USACE approval will be sought for recommended solutions.

Field Activities

Sediment Coring and Water Column Sampling

- Low resolution core processing will be completed and sediment samples shipped for laboratory analysis.
- High resolution core sediment samples will be shipped for PCB congener and dioxin analyses during January to February 2006.

Risk Assessment

- Battelle plans to have the draft deliverables for the CSM task completed internally on or about January 27th. MPI's review period will follow and Battelle has requested an additional 2 weeks to respond to comments; delivery to the client is estimated as on or about February 24th.
- No activity is planned on the weight of evidence task while Battelle's request to reprogram the funding to review DQOs and address other issues resulting from the BERA workshop is considered by USACE and USEPA.

Planning Documents

No activity is planned pending client direction on preparation of FSP Volume 2.

Modeling Work Plan/Modeling Efforts

- HQI and Pirnie will provide responses to TAC and stakeholder comments on the Draft Modeling Work Plan and begin preparation of the Final Modeling Work Plan. A teleconference to discuss the comments was held on January 26th.
- A presentation on the modeling effort to the PRPs is scheduled for February 7th at USEPA Region 2 HQ.

- For the Hydrodynamic model, HQI will:
    - Submit the Hydrodynamic Model Report for internal review by the end of January 2006. MPI, USEPA, and USACE will review the draft deliverable simultaneously.
    - A Modeling Workgroup meeting may be held following the Hydrodynamic Model Report submittal.
    - HQI will likely have to stop work on hydrodynamic modeling tasks following submittal of the report and response to MPI/USACE/USEPA initial comments.
- For the Sediment Transport model, HQI will:
    - Present the results of the solids mass balance assessment and calculation of sedimentation rates in the Passaic River internally to MPI.
    - HydroQual has reached their authorization and will likely need to stop work on sediment transport modeling.
    - If approved by USEPA and USACE, and dependent on Craig Jone's availability, a meeting will be arranged to begin planning for the integration of SEDZLJ.

Historical/Geochemical Data Evaluation

The draft geochemical memo will be submitted for USEPA and USACE review on February 8, 2006 (*this schedule extension was requested via e-mail on January 24th*). It is anticipated that a presentation of the results may be requested by USEPA and USACE subsequent to submittal of the deliverable.

Website/Project Database

- Following USEPA and USACE approval, MPI will implement the development of management website reports requested during the teleconference on January 13th.
- Routine maintenance of the private and public websites will continue.

IRM Evaluation

- Screening of preliminary remedial alternatives will be completed prior to the Remedial Options Workgroup meeting planned for February 1st. A "dry run" of the presentation planned for the workgroup meeting will be given via teleconference on January 25th.
- Stakeholder input collected during the Remedial Options Workgroup meeting will be utilized to refine preliminary remedial alternatives and to proceed with detailed analysis of remedial alternatives.
- HQI will continue with the grid design for the flood modeling.

4. Key Personnel Additions or Changes

None.

5. Attachments

Budget Status and Forecast, Reporting Period: December 17, 2005 – January 13, 2006.

BUDGET STATUS AND FORECAST
TASK ORDER 0011
LOWER PASSAIC RIVER RESTORATION PROJECT
Reporting Period 12/17/2005 through 01/13/2006

Task Description	Negotiated Budget	Authorized Budget (as of ATP 11/WVN 10, dated 11/17/05) Percent	Authorized Budget Dollars	Costs from 1/01/05 through 02/11/05	Costs from 02/12/05 through 03/11/05	Costs from 03/12/05 through 04/15/05	Costs from 04/16/05 through 05/13/05	Costs from 05/14/05 through 06/17/05	Costs from 06/18/05 through 07/15/05	Costs from 07/16/05 through 08/12/05	Costs from 08/13/05 through 09/16/05	Costs from 09/17/05 through 10/14/05	Costs from 10/15/05 through 11/11/05	Costs from 11/12/05 through 12/16/05	Costs from 12/17/05 through 01/13/06	JTD Costs through 01/13/06	JTD Percent of Authorized Budget Spent	JTD Estimated Task Percent Complete	Estimate to Complete[2]	Estimated Cost at Completion	3-Month Forecast: mid-Jan.. 2006 to mid-Feb. 2006	mid-Feb. 2006 to mid-March. 2006	mid-March. 2006 to mid-April. 2006	Total Estimated Cost from mid-Jan. thru mid-April. 2006	Total Estimated + Total Spent	Percent of Authorized Budget Forecast to be Spent by mid-April. 2006	4 - 6 Month Forecast (mid-April. 2006 to mid-July 2006)	Authorized Funding Less Forecast Amount at mid-April. 2006	Additional Funding Required by mid-April. 2006	7 - 9 Month Forecast (mid-July. to mid-Oct. 2006)	Additional Funding Required by mid-July. 2006	Comments
WAD 3 - Remedial Investigation/Feasibility Study Services																																
WO 01 - Project Administration/Reporting																																
WO 01 - Project Administration/Reporting Subtotal	$46,042	100%	$46,042	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$46,042	100%	100%	$0	$46,042	$0	$0	$0	$0	$46,042	100%	$0	$0	$0	$0	$0	
WO 02 - Meetings																																
WO 02 - Meetings Subtotal	$9,106	100%	$9,106	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$9,106	100%	100%	$0	$9,106	$0	$0	$0	$0	$9,106	100%	$0	$0	$0	$0	$0	
WO 03 - Pre-Expansion Activity Plan and Schedule																																
WO 03 - Pre-Expansion Activity Plan and Schedule Subtotal	$12,920	100%	$12,920	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$12,920	100%	100%	$0	$12,920	$0	$0	$0	$0	$12,920	100%	$0	$0	$0	$0	$0	
WO 04 - Populate and QC Database																																
4.2a. Data Entry	$5,450	100%	$5,450	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,910	$0	$0	$4,910	90%	90%	$500	$5,410	$500	$0	$0	$500	$5,410	99%	$0	$40	$0	$0	$0	Minish Park Data Upload
WO 04 - Populate and QC Database Subtotal	$63,530	100%	$63,530	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,910	$0	$0	$62,991	99%	99%	$500	$63,491	$500	$0	$0	$500	$63,491	100%	$0	$39	$0	$0	$0	
WO 05 - Web Site and GIS System																																
WO 05 - Web Site and GIS System Subtotal	$115,732	100%	$115,732	$0	$0	$6,586	$0	$0	$0	$0	$0	$0	$0	$0	$0	$115,730	100%	100%	$0	$115,731	$0	$0	$0	$0	$115,730	100%	$0	$2	$0	$0	$0	
WO 06 - Establish Technical Expert Team																																
WO 06 - Establish Technical Expert Team Subtotal	$25,409	100%	$25,409	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$25,409	100%	100%	$0	$25,409	$0	$0	$0	$0	$25,409	100%	$0	$0	$0	$0	$0	
WAD 3 - Remedial Investigation/Feasibility Study Services Total	$272,739	100%	$272,739	$0	$0	$6,586	$0	$0	$0	$0	$0	$0	$4,910	$0	$0	$272,198	100%	100%	$500	$272,699	$0	$0	$0	$500	$272,698	100%	$0	$41	$0	$0	$0	
WAD 4 - Project Management and Community Relations																																
WO 01 - Project Management and Administration																																
1.1a Project Management	$86,428	100%	$86,428	$0	$0	$0	$0	$0	$0	$0	$0					$89,114	103%	100%	$0	$89,114	$0	$0	$0	$0	$89,114	103%	$0	-$2,686	$2,686	$0	$0	Overage will be addressed w/existing funding in WVN 11.
1.1a Project Management (2005)	$223,525	108%	$241,525	$11,211	$17,190	$19,720	$20,740	$28,769	$17,150	$29,894	$25,671	$26,924	$20,077	$18,114	$8,922	$244,383	101%	90%	$30,456	$274,839	$15,228	$15,228	$0	$30,456	$274,839	114%	$0	-$33,314	$33,314	$0	$0	
1.2a Project Support Documentation and Administration	$79,111	100%	$79,111	$0	$0	$0	$0	$0	$0	$0	$0					$79,111	100%	100%	$0	$79,111	$0	$0	$0	$0	$79,111	100%	$0	$0	$0	$0	$0	
1.2a Project Support Documentation and Administration (2005)	$120,841	106%	$128,041	$14,476	$5,130	$12,887	$10,645	$9,383	$6,772	$7,424	$9,948	$8,863	$16,594	$8,834	$5,024	$115,979	91%	89%	$15,062	$131,041	$7,531	$7,531	$0	$15,062	$131,041	102%	$0	-$3,000	$3,000	$0	$0	
1.3a Subcontract Administration Laboratories	$61,233	124%	$75,632	$5,998	$2,803	$10,918	$11,115	$1,442	$0	$11,068	$3,375					$75,632	100%	100%	$0	$75,632	$0	$0	$0	$0	$75,632	100%	$0	$0	$0	$0	$0	
1.3b Subcontract Administration Field Sampling Support	$41,359	213%	$88,048	$804	$1,145	$4,016	$4,935	$8,711	$7,211	$9,605	$12,941	$19,619	$7,794	$9,638	$1,610	$88,030	100%	100%	$18	$88,048	$0	$0	$0	$0	$88,030	100%	$0	$18	$0	$0	$0	
1.3c Professional Subcontractors	$101,453	122%	$123,662	$4,489	$4,051	$3,994	$4,497	$5,204	$8,841	$3,793	$15,462	$9,532	$8,892	$11,339	$4,306	$130,507	106%	98%	$2,155	$132,662	$2,155	$0	$0	$2,155	$132,662	107%	$0	-$9,000	$9,000	$0	$0	
1.3d Radionuclide and POC Laboratories	$5,639	100%	$5,639	$0	$0	$0	$0	$5,620	$0	$0	$0					$5,620	100%	100%	$0	$5,620	$0	$0	$0	$0	$5,620	100%	$0	$19	$0	$0	$0	
1.3e Field Sampling Support - Summer/Fall 2004	$4,806	100%	$4,806	$0	$0	$0	$0	$4,741	$0	$0	$0					$4,741	99%	100%	$0	$4,741	$0	$0	$0	$0	$4,741	99%	$0	$65	$0	$0	$0	
1.4a Project Communications	$481,285	104%	$501,285	$27,254	$12,993	$36,614	$31,502	$22,980	$27,617	$23,266	$39,066	$35,476	$88,309	$39,618	$18,614	$528,070	105%	90%	$23,215	$551,285	$9,214	$9,214	$0	$18,428	$546,498	109%	$0	-$45,213	$45,213	$0	$0	
WO 01 - Project Management and Administration Subtotal	$1,205,680	111%	$1,334,177	$64,233	$43,312	$88,149	$83,434	$86,850	$67,591	$85,051	$106,463	$100,414	$141,666	$87,542	$38,476	$1,361,188	102%	93%	$70,906	$1,432,094	$34,128	$31,973	$0	$66,101	$1,427,289	107%	$0	-$93,112	$93,214	$0	$0	
WO 02 - Community Relations																																
2.1a Public Meeting Support (graphics/attendance)	$24,341	36%	$8,679	$0	$0	$0	$0	$0	$0	$0	$6,202	$2,477	$11			$8,690	100%	100%	$0	$8,690	$0	$0	$0	$0	$8,690	100%	$0	-$11	$11	$15,000	$15,000	
2.1b Fact Sheets (topic-specific)	$24,710	3%	$816	$0	$0	$0	$0	$0	$0	$0	$544	$272				$816	100%	100%	$0	$816	$0	$0	$0	$0	$816	100%	$0	$0	$0	$0	$0	
2.1c Ongoing Communications Support	$39,744	37%	$14,744	$0	$0	$0	$49	$544	$272	$646	$1,264	$4,311	$1,020	$3,197		$11,303	77%	100%	$0	$11,303	$0	$0	$0	$0	$11,303	77%	$0	$3,441	$0	$0	$0	
2.2a Stakeholder/Community Interviews	$16,233	100%	$16,233	$7,444	$1,582	$532	$36	$0	$0	$0	$0					$16,233	100%	100%	$0	$16,233	$0	$0	$0	$0	$16,233	100%	$0	$0	$0	$0	$0	
2.2b Draft Community Involvement Plan	$54,285	101%	$54,733	$1,905	$272	$7,350	$11,081	$13,457	$9,882	$8,644	$2,142					$54,733	100%	100%	$0	$54,733	$0	$0	$0	$0	$54,733	100%	$0	$0	$0	$0	$0	
2.2c RTC/Final CIP	$8,628	100%	$8,628	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$8,628	$8,628	$0	$4,000	$4,628	$8,628	$8,628	100%	$0	$0	$0	$0	$0	
WO 02 - Community Relations Subtotal	$167,941	62%	$103,833	$9,349	$1,854	$7,882	$11,167	$14,002	$10,154	$9,289	$10,152	$7,060	$1,031	$3,197	$0	$91,775	88%	92%	$8,628	$100,403	$0	$4,000	$4,628	$8,628	$100,403	97%	$0	$3,430	$11	$15,000	$15,000	
WO 03 - Technical Support																																
3.1a MPI Technical Support	$43,096	100%	$43,096	$0	$0	$0	$0	$0	$0	$0						$35,082	81%	100%	$0	$35,082	$0	$0	$0	$0	$35,082	81%	$0	$8,014	$0	$0	$0	
3.1a Technical Support (2005)	$123,457	60%	$73,457	$9,823	$0	$0	$0	$0	$8,547	$10,717	$932		$8,536		$4,787	$43,342	59%	90%	$4,500	$47,842	$2,700	$1,800	$0	$4,500	$47,842	65%	$0	$25,615	$0	$0	$0	Funding for Dec 19th meeting and Sedflume analyses
3.2a Subcontractor Technical Support	$22,500	100%	$22,500	$0	$0	$0	$0	$0	$0	$0	$0	$0				$10,748	48%	48%	$11,752	$22,500	$11,752	$0	$0	$11,752	$22,500	100%	$0	$0	$0	$0	$0	Funding for expected Brownawell invoicing
WO 03 - Technical Support Subtotal	$189,053	74%	$139,053	$9,823	$0	$0	$0	$0	$8,547	$10,717	$932	$0	$8,536	$0	$4,787	$89,172	64%	86%	$16,252	$105,424	$14,452	$1,800	$0	$16,252	$105,424	76%	$0	$33,629	$0	$0	$0	
WAD 4 - Project Administration Total	$1,562,674	101%	$1,577,063	$83,404	$45,166	$96,031	$94,601	$100,852	$86,291	$105,057	$117,546	$107,474	$151,233	$90,740	$43,264	$1,542,135	98%	92%	$95,786	$1,637,920	$34,128	$35,973	$4,628	$90,981	$1,633,116	104%	$0	-$56,053	$93,226	$15,000	$15,000	
WAD 5 - Technical Studies & Investigations																																
WO 01 - RI/FS Work Plan Preparation																																
1.1a Agency Coordination Scoping Meeting	$14,911	100%	$14,911	$0	$0	$0	$0	$0	$0	$0	$0					$14,911	100%	100%	$0	$14,911	$0	$0	$0	$0	$14,911	100%	$0	$0	$0	$0	$0	
1.4b. Draft Final Modeling Plan	$48,923	100%	$48,923	$0	$328	$11,857	$905	$2,160	$4,974	$0	$0		$622			$41,287	84%	84%	$7,636	$48,923	$7,636	$0	$0	$7,636	$48,923	100%	$0	$0	$0	$0	$0	
1.4c. RTC/Final Modeling Plan	$31,461	100%	$31,461	$0	$0	$0	$658	$785	$3,316	$304	$0			$587		$10,349	33%	33%	$21,112	$31,461	$0	$21,112	$0	$21,112	$31,461	100%	$0	$0	$0	$0	$0	
1.4d Input to DQOs	$9,965	100%	$9,965	$545	$1,916	$571	$0	$0	$0	$0	$0					$9,965	100%	100%	$0	$9,965	$0	$0	$0	$0	$9,965	100%	$0	$0	$0	$0	$0	
1.4e1 Data Gaps/Studies Analysis	$23,028	100%	$23,028	$37	$0	$1,109	$0	$0	$0	$0	$0					$23,028	100%	100%	$0	$23,028	$0	$0	$0	$0	$23,028	100%	$0	$0	$0	$0	$0	
1.4e3. Contribution to Plan Layout/Design	$21,594	100%	$21,594	$0	-$10,797	$10,806	$0	$0	$0	$0	$0					$21,594	100%	100%	$0	$21,594	$0	$0	$0	$0	$21,594	100%	$0	$0	$0	$0	$0	
1.4e4. Input to Hydrodynamic Sampling Plan (2005)	$15,125	100%	$15,125	$0	$0	$15,125	$0	$0	$0	$0	$0					$15,125	100%	100%	$0	$15,125	$0	$0	$0	$0	$15,125	100%	$0	$0	$0	$0	$0	
1.5a. Preliminary Draft/Outline WP/FSP/RTC	$53,692	103%	$55,209	$0	$0	$0	$0	$0	$1,530	$0	$0					$55,209	100%	100%	$0	$55,209	$0	$0	$0	$0	$55,209	100%	$0	$0	$0	$0	$0	
1.5b. Draft Final WP/FSP	$169,759	100%	$169,759	$13,871	$28,745	$57,167	$10,849	$0	$0	$0	$0			$13,568		$169,759	100%	100%	$0	$169,759	$0	$0	$0	$0	$169,759	100%	$0	$0	$0	$0	$0	
1.5c. RTC and Final WP/FSP	$100,349	100%	$100,349	$0	$0	$0	$11,105	$25,447	$24,721	$38,875	$0	$0				$100,149	100%	100%	$0	$100,349	$0	$0	$0	$0	$100,149	100%	$0	$200	$0	$0	$0	
1.5d. FSP Volume 2 (Biota): Pre-Draft (2005)	$52,958	100%	$52,958	$0	$0	$0	$0	$0	$0	$3,750	$19,199					$22,949	43%	67%	$11,000	$33,949	$11,000	$0	$0	$11,000	$33,949	64%	$0	$19,009	$0	$0	$0	
1.5e. FSP Volume 2 (Biota): Draft (2005)	$79,998	100%	$79,998	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$79,998	$79,998	$0	$20,000	$30,000	$50,000	$50,000	63%	$29,998	$29,998	$0	$0	$0	
1.5f. FSP Volume 2 (Biota): Final (2006)	$27,079	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$27,079	$27,079	$0	$0	$0	$0	$0	0%	$0	$0	$0	$0	$0	
1.5g Revisions to FSP 3 Geophysical Program (2005)	$3,489	100%	$3,489									$3,440				$3,440	99%	100%	$49	$3,489	$0	$0	$0	$0	$3,440	99%	$0	$49	$0	$0	$0	
1.6a. Preliminary Draft Outline QAPP/RTC	$46,277	100%	$46,277	$14,791	$4,979	$12,470	$0	$0	$0	$0	$0			$3,667		$46,277	100%	100%	$0	$46,277	$0	$0	$0	$0	$46,277	100%	$0	$0	$0	$0	$0	
1.6b. Draft Final QAPP/Final DQOs	$37,231	123%	$45,948	$0	$7,052	$21,792	$131	$3,438	$3,105	$6,351	$0			$4,079		$45,948	100%	100%	$0	$45,948	$0	$0	$0	$0	$45,948	100%	$0	$0	$0	$0	$0	
1.6c. RTC/Final QAPP	$31,046	127%	$39,512	$0	$0	$0	$0	$0	$1,908	$27,234	$10,305	$0	$65			$39,512	100%	100%	$0	$39,512	$0	$0	$0	$0	$39,512	100%	$0	$0	$0	$0	$0	
1.7c. RTC/Final HASP	$12,711	76%	$9,711	$1,693	$290	$1,259	$179	$89	$93	$5	$1,618	$240	$147	$98		$6,604	68%	100%	$0	$6,604	$0	$0	$0	$0	$6,604	68%	$0	$3,107	$0	$2,000	$0	
WO 01 - RI/FS Work Plan Preparation Subtotal	$1,100,729	95%	$1,044,796	$50,069	$50,573	$141,991	$24,176	$41,048	$68,560	$77,234	$31,122	$3,680	$834	$21,999	$0	$902,685	86%	94%	$146,874	$1,049,759	$18,636	$41,112	$30,000	$89,748	$992,433	95%	$29,998	$52,363	$2	$2,000	$0	
WO 02 - Preliminary Risk Assessment																																
2.2a. Finalize Pathways Analysis Report	$25,882	112%	$29,117	$0	$0	$0	$27,051	$2,066	$0	$0	$0					$29,117	100%	100%	$0	$29,117	$0	$0	$0	$0	$29,117	100%	$0	$0	$0	$0	$0	
2.2b. Conceptual Site Model/Problem Formulation	$121,953	100%	$121,953	$0	$0	$0	$0	$922	$3,912	$0	$15,787	$14,576	$50,496	$18,154	$6,348	$110,194	90%	90%	$11,759	$121,953	$9,000	$2,759	$0	$11,759	$121,953	100%	$0	$0	$0	$0	$0	
2.2c. Develop Weight of Evidence Approach for Eco Risk Assessment	$27,437	100%	$27,437	$0	$0	$0	$0	$654	$164	$0	$0		$1,007			$1,824	7%	7%	$25,613	$27,437	$2,500	$10,000	$13,113	$25,613	$27,437	100%	$0	$0	$0	$0	$0	
WO 02 - Preliminary Risk Assessment Subtotal	$227,464	101%	$230,790	$87	$87	$0	$27,377	$3,642	$4,076	$0	$15,787	$14,576	$51,502	$18,154	$6,348	$187,957	81%	83%	$37,372	$225,329	$11,500	$12,759	$13,113	$37,372	$225,329	98%	$0	$5,461	$1	$0	$0	
WO 03 - Work Plan Implementation for 2004 - 2005 Sampling Event																																
3.1a Equipment Management, Mobilization, Demobilization	$36,317	192%	$69,620	$3,173	$2,359	$13,341	$11,696	$0	$0	$116	$0					$69,620	100%	100%	$0	$69,620	$0	$0	$0	$0	$69,620	100%	$0	$0	$0	$0	$0	
3.1b Health and Safety Activities	$4,078	100%	$4,078	$157	$0	$48	$860	$1,649	$12	$0	$177	$665				$4,037	99%	100%	$41	$4,078	$41	$0	$0	$0	$4,037	99%	$0	$41	$0	$0	$0	
3.2a Technical Coordination and Field Support	$40,207	187%	$75,094	$609	$1,855	$11,953	$12,460	$2,928	$3,020	$19,749	$7,938	$5,295				$67,792	90%	100%	$0	$67,792	$0	$0	$0	$0	$67,792	90%	$0	$7,302	$0	$0	$0	
3.2b Sample Collection and Sample Management	$118,198	91%	$107,395	$8,328	$7,359	$2,632	$7,165	$3,557	$3,725	$6,597	$20,047	$26,361	$5,479			$106,003	99%	100%	$0	$106,003	$0	$0	$0	$0	$106,003	99%	$0	$1,392	$0	$0	$0	
3.3a Field Investigation Expenses	$850,058	60%	$510,176	$14,417	$618	$5,311	$7,194	$54,286	$84,459	$131,353	$79,486	$84,836	$15,369	$14,523	$7,189	$542,348	106%	97%	$16,000	$558,348	$8,000	$8,000	$0	$16,000	$558,348	109%	$0	-$48,172	$48,172	$0	$0	
3.3b Travel Expenses (2005)	$15,616	100%	$15,616	$0	$0	$0	$0	$0	$0	$0	$2,024	$7,327	$6,265			$15,616	100%	100%	$0	$15,616	$0	$0	$0	$0	$15,616	100%	$0	$0	$0	$0	$0	
3.3c Coring Subcontracts and Divers	$265,400	68%	$179,619	$0	$0	$0	$0	$0	$0	$0	$0	$130,947	$15,200			$146,147	81%	81%	$33,472	$179,619	$33,472	$0	$0	$33,472	$179,619	100%	$0	$0	$0	$0	$0	
3.4a Field Data QC Review (2005)	$8,331	100%	$8,331	$0	$0	$0	$0	$0	$0	$0	$0				$1,681	$1,681	20%	20%	$6,650	$8,331	$2,200	$2,200	$2,200	$6,600	$8,281	99%	$2,000	$50	$1,950	$2,000	$2,000	
3.4b Travel Expenses	$4,092	100%	$4,092	$2	$489	$43	$1,616	$18	$89	$0	$442	$0	$570			$4,092	100%	100%	$0	$4,092	$0	$0	$0	$0	$4,092	100%	$0	$0	$0	$0	$0	
3.4c QA Coordinator	$68,957	33%	$22,985	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$20,000	$20,000	$2,500	$2,500	$2,500	$7,500	$7,500	33%	$4,000	$15,485	$0	$0	$0	
WO 03 - Work Plan Implementation for 2004 -2005 Sampling Event	$1,411,254	71%	$997,006	$26,685	$12,680	$33,327	$40,991	$62,438	$91,306	$157,815	$110,115	$255,431	$42,883	$14,523	$8,869	$957,336	96%	92%	$76,164	$1,033,499	$46,213	$12,700	$4,700	$63,572	$1,020,908	102%	$6,000	-$23,902	$50,122	$2,000	$2,000	
WO 04 - Implementation of FSP Activities (2005-2006)																																
4.1a Logistics and Mobilization (2005)	$45,273	100%	$45,273	$0	$8,129	$10,988	$28,553	$0	$0	$0	$5					$47,675	105%	100%	$0	$47,675	$0	$0	$0	$0	$47,675	105%	$0	-$2,402	$2,402	$0	$0	Overrun to be funded in WVN 11
4.1b Equipment Manager (2005)	$21,158	75%	$15,869	$0	$0	$0	$0	$0	$0	$0	$11,963	$9,182				$21,145	133%	100%	$0	$21,145	$0	$0	$0	$0	$21,145	133%	$0	-$5,276	$5,276	$0	$0	Overrun to be funded in WVN 11
4.1c Health and Safety Administration (2005)	$8,806	50%	$4,403	$0	$0	$0	$0	$0	$0	$0	$1,069	$784	$786	$242		$2,881	65%	65%	$1,522	$4,403	$0	$0	$0	$0	$2,881	65%	$0	$1,522	$0	$0	$0	Fire Safety Inspection follow-up
4.1d Sample Collection and Core Processing (2005)	$3,153,787	40%	$1,259,617	$0	$0	$0	$0	$0	$0	$0	$97,794	$236,942	$211,728	$87,617	$107,987	$742,068	59%	59%	$517,549	$1,259,617	$175,000	$200,000	$140,000	$515,000	$1,257,068	100%	$0	$2,549	$0	$0	$0	
4.1e CSO Sampling Oversight (2005)	$4,636	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$0	$0	$0	$0	$0	$0	$0	0%	$4,636	$0	$4,636	$0	$0	
4.2 Technical System and Health & Safety Audits (2005)	$18,705	50%	$9,353	$0	$0	$0	$0	$0	$0	$0	$3,144		$1,477			$4,621	49%	63%	$2,732	$7,353	$2,732	$0	$0	$2,732	$7,353	79%	$0	$2,000	$0	$0	$0	
WO 04 - Implementation of FSP Activities (2005-2006)	$3,252,365	41%	$1,334,515	$0	$8,129	$10,988	$28,553	$0	$0	$0	$113,975	$246,909	$213,992	$87,859	$107,987	$818,391	61%	61%	$521,803	$1,340,194	$177,732	$200,000	$140,000	$517,732	$1,336,123	100%	$4,636	-$1,608	$12,314	$0	$0	
WO 06 - Model Development, Calibration, and Application (2005-2007)																																
6.1a Hydrodynamic Technical Memorandum (2005)	$621,411	73%	$454,141	$0	$0	$0	$39,737	$17,223	$18,015	$74,065	$51,634	$60,051	$65,968	$68,890	$7,962	$403,545	89%	89%	$50,596	$454,141	$40,000	$5,000	$5,596	$50,596	$454,141	100%	$0	$0	$0	$0	$0	Stop work likely in early Feb 2006 after calibration report
6.1b Sediment Transport Technical Memorandum (2005)	$748,654	29%	$218,865	$0	$0	$0	$13,898	$27,797	$6,949	$20,847	$35,443	$33,000	$32,996	$47,934	$0	$218,865	100%	100%	$0	$218,865	$0	$0	$0	$0	$218,865	100%	$0	$0	$0	$0	$0	Work to halt on sediment transport effort in current period
6.1c Fate and Transport Technical Memorandum (2005)	$101,880	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$0	$0	$0	$0	$0	$0	$0	0%	$0	$0	$0	$0	$0	
6.1d Food Chain Technical Memorandum (2005)	$33,730	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$0	$0	$0	$0	$0	$0	$0	0%	$0	$0	$0	$0	$0	
WO 06 - Model Development, Calibration, and Application (2005-2007)	$1,505,675	0%	$673,006	$0	$0	$0	$53,635	$45,020	$24,964	$94,912	$87,077	$93,051	$98,964	$116,824	$7,962	$622,410	92%	93%	$50,596	$673,006	$40,000	$5,000	$5,596	$50,596	$673,006	100%	$0	$0	$0	$0	$0	
WAD 5 - Technical Studies & Investigation Total	$7,497,487	57%	$4,280,113	$76,841	$71,468	$186,306	$174,733	$152,148	$188,905	$329,961	$358,075	$613,647	$408,174	$259,359	$131,166	$3,488,778	82%	82%	$832,808	$4,321,786	$294,081	$271,571	$193,409	$759,020	$4,247,798	99%	$40,634	$32,315	$62,440	$4,000	$2,000	
WAD 6 - Data Management and Presentation																																
WO 01 - Map Guide																																
1.1 Map Guide	$49,388	100%	$49,388	$0	$0	$0	$0	$0	$0	$0						$49,388	100%	100%	$0	$49,388	$0	$0	$0	$0	$49,388	100%	$0	$0	$0	$0	$0	
WO 01 - Map Guide Subtotal	$49,388	100%	$49,388	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$49,388	100%	100%	$0	$49,388	$0	$0	$0	$0	$49,388	100%	$0	$0	$0	$0	$0	
WO 02 - Public Website																																
2.1 Maintenance and Support	$61,795	88%	$54,338	$3,235	$8,090	$4,880	$2,988	$2,825	$1,167	$0	$1,833	$41	$849	$705	$267	$48,041	88%	88%	$6,297	$54,338	$2,000	$2,000	$2,000	$6,000	$54,041	99%	$0	$297	$0	$0	$0	
WO 02 - Public Website Subtotal	$61,795	88%	$54,338	$3,235	$8,090	$4,880	$2,988	$2,825	$1,167	$0	$1,833	$41	$849	$705	$267	$48,041	88%	88%	$6,297	$54,338	$2,000	$2,000	$2,000	$6,000	$54,041	99%	$0	$297	$0	$0	$0	
WO 03 - Private Website																																
3.1 Field Application Module Development	$41,455	100%	$41,455	$110	$1,966	$6,791	$1,583	$8,375	$0	$0	$0					$45,411	110%	100%	$0	$45,411	$0	$0	$0	$0	$45,411	110%	$0	-$3,956	$3,956	$0	$0	Overrun to be addressed in WVN 11
3.2 Website Reports	$48,294	138%	$66,506	$0	$0	$0	$0	$0	$0	$0	$0		$9,277	$1,408		$20,192	30%	83%	$4,000	$24,192	$2,000	$2,000	$0	$4,000	$24,192	36%	$0	$42,314	$0	$0	$0	
3.3 Management Website Reports	$9,883	100%	$9,883	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	0%	$11,883	$11,883	$5,000	$0	$0	$5,000	$5,000	51%	$0	$4,883	$0	$0	$0	
3.4 Maintenance and Support	$47,322	100%	$47,322	$0	$950	$1,203	$1,110	$18,813	$736	$11,813	$5,005	$30,892	$11,844	$8,557	$2,589	$93,511	198%	91%	$8,801	$102,312	$2,500	$2,500	$2,500	$7,500	$101,011	213%	$0	-$53,690	$53,690	$0	$0	
3.4a. Export and Convert CARP Sed, Water, and Biota for PREmis (2005)	$13,448	100%	$13,448	$0	$0	$0	$2,824	$10,778	$0	$0	$0					$13,602	101%	100%	$0	$13,602	$0	$0	$0	$0	$13,602	101%	$0	-$154	$154	$0	$0	
WO 03 - Private Website Subtotal	$160,402	111%	$178,614	$110	$2,916	$7,994	$5,517	$37,966	$736	$11,813	$5,005	$30,892	$21,121	$9,965	$2,589	$172,718	97%	86%	$24,684	$197,402	$9,500	$4,500	$2,500	$16,500	$189,218	106%	$0	-$10,604	$57,800	$0	$0	
WO 04 - Database (update for MEDD fields)																																
4.1 Create ERD	$24,843	100%	$24,843	$0	$0	$0	$2,721	$8,322	$2,530	$1,896	$0		$595			$16,065	65%	100%	$0	$16,065	$0	$0	$0	$0	$16,065	65%	$0	$8,778	$0	$4,000	$0	
4.2 Respond to Comments on ERD	$4,206	100%	$4,206	$0	$0	$0	$0	$0	$0	$0	$0					$0	0%	100%	$0	$0	$0	$0	$0	$0	$0	0%	$0	$4,206	$0	$0	$0	
4.3 Finalize ERD and create database	$5,203	100%	$5,203	$0	$0	$0	$0	$129	$0	$0	$0					$129	2%	100%	$0	$129	$0	$0	$0	$0	$129	2%	$0	$5,074	$0	$0	$0	
WO 04 - Database Subtotal	$34,252	100%	$34,252	$0	$0	$0	$2,721	$8,451	$2,530	$1,896	$0	$0	$595	$0	$0	$16,194	47%	100%	$0	$16,194	$0	$0	$0	$0	$16,194	47%	$0	$18,058	$0	$4,000	$0	
WO 05 - Field Application																																
5.1 Scoping Workshop and Conference Calls	$31,623	100%	$31,623	$0	$160	$1,805	$1,209	$1,209	$1,209	$0	$0		$426	$889		$10,983	35%	100%	$0	$10,983	$0	$0	$0	$0	$10,983	35%	$0	$20,640	$0	$0	$0	
5.2 Field Application and Design Document	$71,862	100%	$71,862	$417	$0	$0	$6,361	$2,798	$5,584	$1,822	$26,829	$2,380	$4,344			$60,953	85%	100%	$0	$60,953	$0	$0	$0	$0	$60,953	85%	$0	$10,909	$0	$0	$0	
5.3a Writing to Forms II Lite	$10,615	100%	$10,615	$0	$0	$0	$0	$0	$0	$0	$4,456					$4,456	42%	100%	$0	$4,456	$0	$0	$0	$0	$4,456	42%	$0	$6,159	$0	$0	$0	
5.3b Programming	$80,423	100%	$80,423	$0	$0	$8,747	$7,186	$26,841	$5,184	$7,252	$7,629					$80,241	100%	100%	$0	$80,241	$0	$0	$0	$0	$80,241	100%	$0	$182	$0	$0	$0	
5.4 QA/QC	$71,592	100%	$71,592	$0	$0	$0	$120	$969	$1,926	$245	$20,129	$9,141	$7,679	$2,598	$560	$52,642	74%	83%	$10,950	$63,592	$3,500	$3,500	$3,500	$10,500	$63,142	88%	$2,500	$8,450	$0	$0	$0	
WO 05 - Field Application Subtotal	$266,115	100%	$266,115	$417	$160	$10,552	$14,876	$31,817	$13,903	$9,319	$59,042	$11,521	$12,449	$3,487	$560	$209,276	79%	95%	$10,950	$220,226	$3,500	$3,500	$3,500	$10,500	$219,776	83%	$2,500	$46,339	$0	$0	$0	
WO 06 - Technical Task Communication																																
6.1 Technical Task Communication	$33,859	100%	$33,859	$1,439	$1,718	$3,926	$3,581	$1,962	$3,559	$2,350	$3,727	$3,426	$1,421			$34,362	101%	93%	$2,400	$36,762	$1,200	$1,200	$0	$2,400	$36,762	109%	$0	-$2,903	$2,903	$0	$0	
WO 06 - Technical Task Communication Subtotal	$33,859	100%	$33,859	$1,439	$1,718	$3,926	$3,581	$1,962	$3,559	$2,350	$3,727	$3,426	$1,421	$0	$0	$34,362	101%	93%	$2,400	$36,762	$1,200	$1,200	$0	$2,400	$36,762	109%	$0	-$2,903	$2,903	$0	$0	
WO 07 - Data Evaluation																																
7.1a Data Upload: 2004 - 2005 Hydrodynamic and Sediment Data	$6,692	100%	$6,692	$1,169	$0	$0	$0	$1,399	$1,493	$1,958	$0					$6,019	90%	90%	$0	$6,019	$0	$0	$0	$0	$6,019	90%	$0	$673	$0	$0	$0	
7.2a Data Evaluation: 2004 - 2005 Hydrodynamic and Sediment Data	$43,739	100%	$43,739	$2,855	$10,245	$1,164	$0	$388	$1,539	$277	$0	$842	$924	$1,903	$3,564	$23,700	54%	60%	$0	$23,700	$0	$0	$0	$0	$23,700	54%	$0	$20,039	$0	$0	$0	
7.3 Preliminary Geochemical and Statistical Analysis (2005)	$305,822	100%	$305,822	$0	$26,233	$30,285	$10,740	$10,157	$9,593	$36,857	$51,987	$15,421	$18,973	$33,494	$21,134	$264,875	87%	87%	$40,947	$305,822	$40,947	$0	$0	$40,947	$305,822	100%	$0	$0	$0	$0	$0	
7.4 Data Validation (2005)	$92,560	100%	$92,560	$0	$0	$0	$0	$0		$0	$1,504	$0	$129	$10,321	$12,549	$24,502	26%	26%	$68,058	$92,560	$10,000	$20,000	$30,000	$60,000	$84,502	91%	$8,000	$8,058	$0	$0	$0	
7.5a Evaluate Hydrodynamic/SW/Sediment Data (2005)	$128,746	100%	$128,746	$0	$0	$0	$0	$0	$1,034	$0	$0	$998	$13,544	$13,474	$13,370	$42,420	33%	31%	$86,326	$128,746	$20,000	$20,000	$20,000	$60,000	$102,420	80%	$29,000	$26,326	$2,674	$0	$0	
7.5b Draft Rnd 1 Data Gap/Data Eval. Report/Supplemental WP (2005)	$58,461	73%	$42,854	$0	$0	$0	$0	$0		$2,992	$546	$11,458	$4,100	$3,330	$1,400	$23,827	56%	56%	$19,027	$42,854	$1,500	$2,500	$5,000	$9,000	$32,827	77%	$10,027	$10,027	$0	$0	$0	
7.5c Final Rnd 1 Data Gap/Data Eval. Report/Supplemental WP (2005-2006)	$4,406	0%	$0	$0	$0	$0	$0	$0		$0	$0					$0	0%	0%	$4,406	$4,406	$0	$0	$0	$0	$0	0%	$0	$0	$0	$0	$0	
WO 07 - Data Evaluation	$640,426	97%	$620,413	$4,024	$36,478	$31,449	$10,740	$11,943	$13,658	$42,085	$54,037	$28,719	$37,671	$62,521	$52,017	$385,342	62%	62%	$218,764	$604,106	$72,447	$42,500	$55,000	$169,947	$555,289	90%	$47,027	$65,124	$2,674	$0	$0	
WAD 6 - Data Management and Presentation Total	$1,246,237	99%	$1,236,979	$9,225	$49,362	$58,801	$40,423	$94,965	$35,554	$67,464	$123,645	$74,599	$74,106	$76,679	$55,432	$915,320	74%	77%	$263,095	$1,178,415	$88,647	$53,700	$63,000	$205,347	$1,120,667	91%	$49,527	$116,312	$63,378	$4,000	$0	
WAD 7 - Feasibility Study																																
WO 01 - Preliminary Feasibility Study																																
1.1 Preliminary Feasibility Study (2005)	$63,872	37%	$23,872	$702	$8,245	$10,024	$850	$610	$134	$268	$2,364	$4,464	$0			$27,661	116%	56%	$0	$27,661	$0	$0	$0	$0	$27,661	116%	$0	-$3,789	$3,789	$0	$0	Overrun will be applied to existing funding in WE 1.2 below.
1.2 IRM Evaluation (2005-2006)			$241,800										$28,207	$18,702	$6,840	$53,749	NA	10%	$184,262	$238,011	$30,000	$55,000	$55,000	$140,000	$193,749	80%	$44,262	$48,051	$0	$0	$0	
WO 01 - Preliminary Feasibility Study	$63,872	416%	$265,672	$702	$8,245	$10,024	$850	$610	$134	$268	$2,364	$4,464	$28,207	$18,702	$6,840	$81,410	31%	14%	$184,262	$265,672	$30,000	$55,000	$55,000	$140,000	$221,410	83%	$44,262	$44,262	$3,789	$0	$0	
WAD 7 - Feasibility Study Total	$63,872	416%	$265,672	$702	$8,245	$10,024	$850	$610	$134	$268	$2,364	$4,464	$28,207	$18,702	$6,840	$81,410	31%	14%	$184,262	$265,672	$30,000	$55,000	$55,000	$140,000	$221,410	83%	$44,262	$44,262	$3,789	$0	$0	
WAD 8 - Fee																																
WAD 08 - Fee	$582,710	75%	$434,552	$9,496	$10,095	$9,044	$11,047	$16,248	$16,046	$36,779	$16,793	$56,385	$21,457	$0	$10,369	$291,730	67%	NA	$83,453	$375,183	$31,280	$29,137	$22,123	$82,540	$374,269	86%	$6,311	$60,283	$0	$1,610	$0	We are addressing the fee and will re-post and submit invoice by Feb 8th
WAD 8 - Project Fee Subtotal	$582,710	75%	$434,552	$9,496	$10,095	$9,044	$11,047	$16,248	$16,046	$36,779	$16,793	$56,385	$21,457	$0	$10,369	$291,730	67%	NA	$83,453	$375,183	$31,280	$29,137	$22,123	$82,540	$374,269	86%	$6,311	$60,283	$0	$1,610	$0	
	$11,225,719	72%	$8,067,118	$179,668	$184,337	$366,791	$321,653	$364,823	$326,930	$539,528	$618,423	$856,570	$688,088	$445,479	$247,071	$6,591,571	82%	77%	$1,459,904	$8,051,676	$478,136	$445,381	$338,160	$1,278,388	$7,869,958	98%	$140,734	$197,159	$222,832	$24,610	$17,000	
Fee Claimed*																	77.09%															

Blue font represents tasks that are completed.
* The fee claimed does not incorporate subconsultant charges that have not yet been invoiced to the USACE.
[1]: For the purposes of this report, all WAD 3 expenses were added into this task.
[2]: The estimate to complete for fee will always be greater than or equal to the actual fee to complete since this column assumes a fee percentage of 7%. However, if subconsultant costs are included in the labor and expenses estimate to complete, the fee on subs is 4.61%.
[3]: The additional funding columns represent monies that are needed for the next 3 months after the required date.